

No. 686,250.

Patented Nov. 12, 1901.

W. C. BOSENBURY.

MECHANISM FOR ADJUSTING MUSIC DESKS ON PIANOS.

(Application filed Apr. 6, 1901.)

(No Model.)

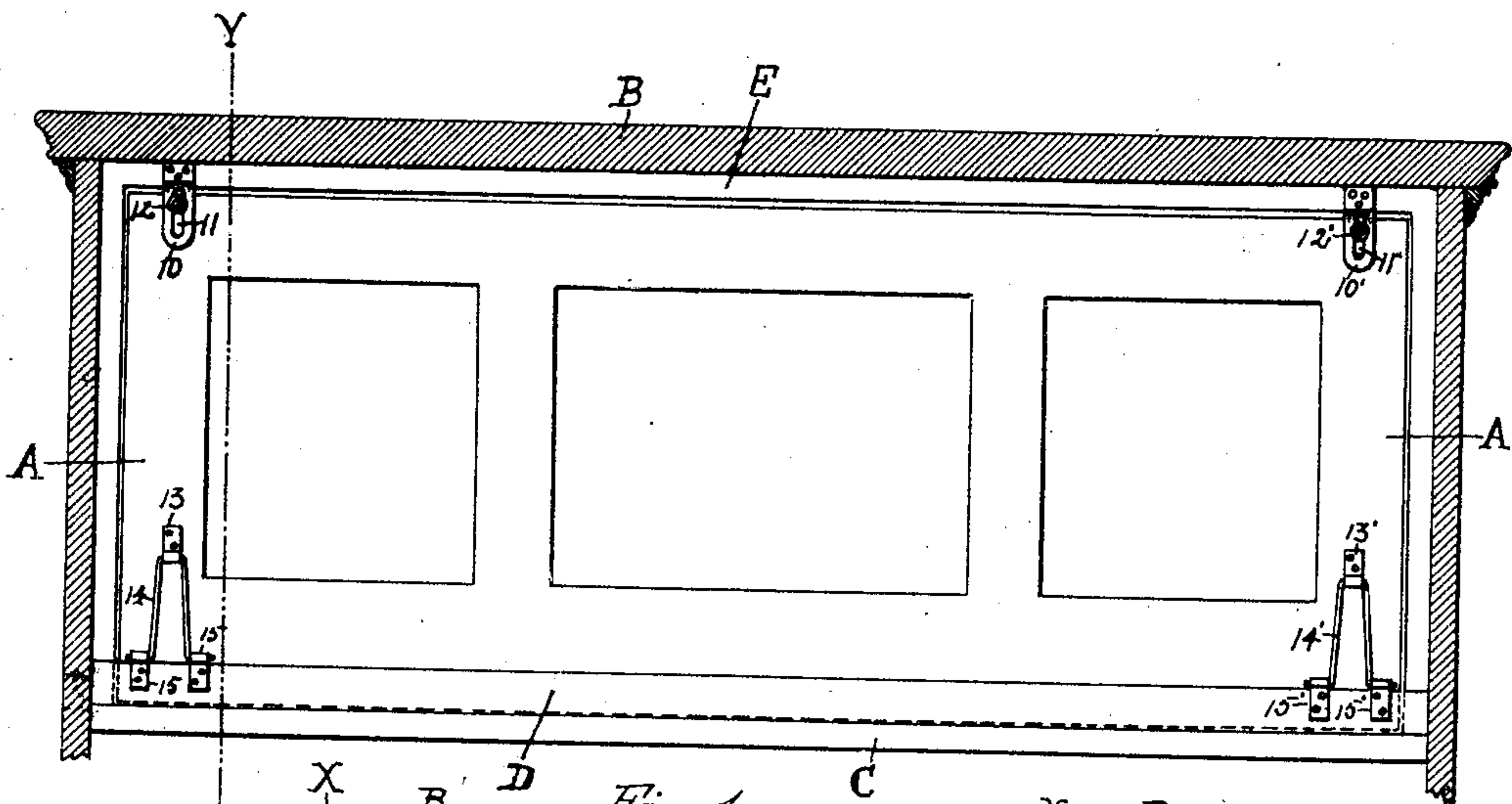


Fig. 1.

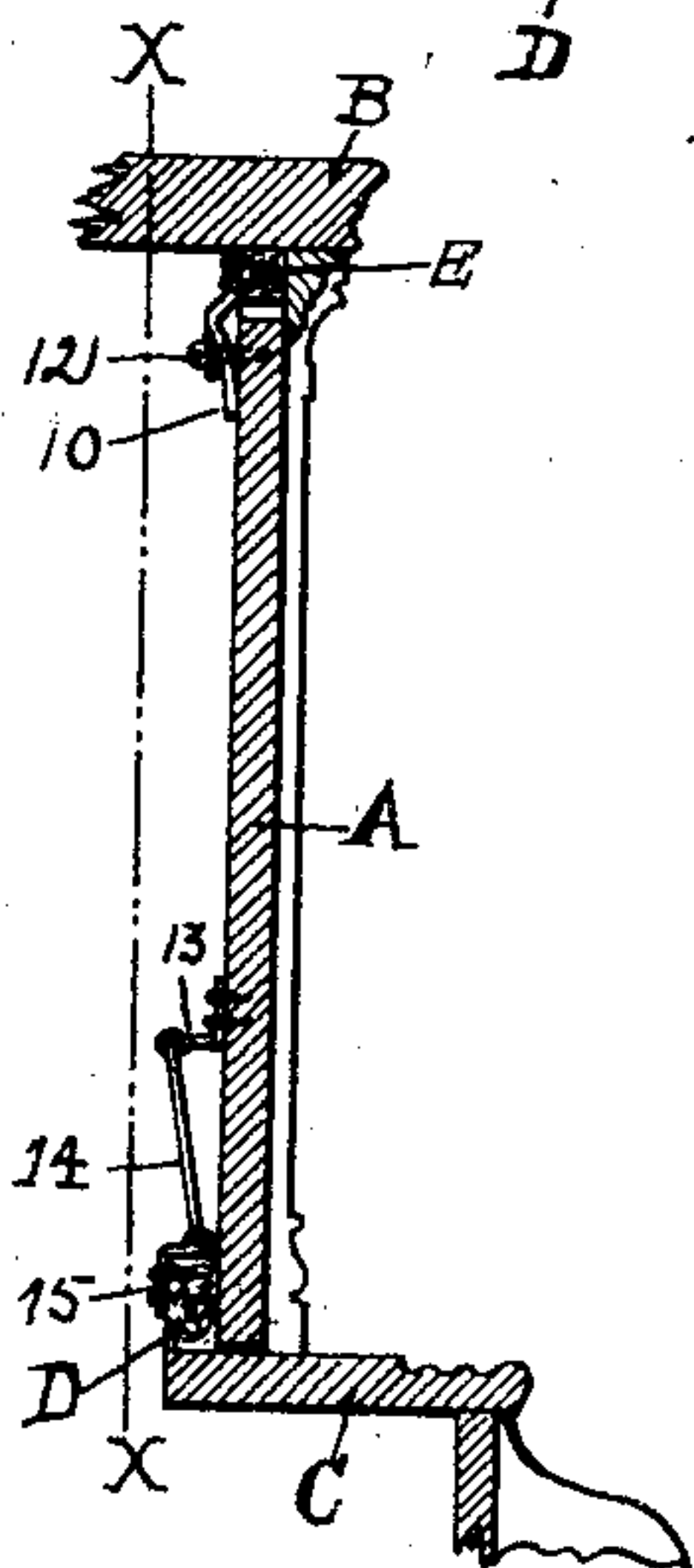


Fig. 2.

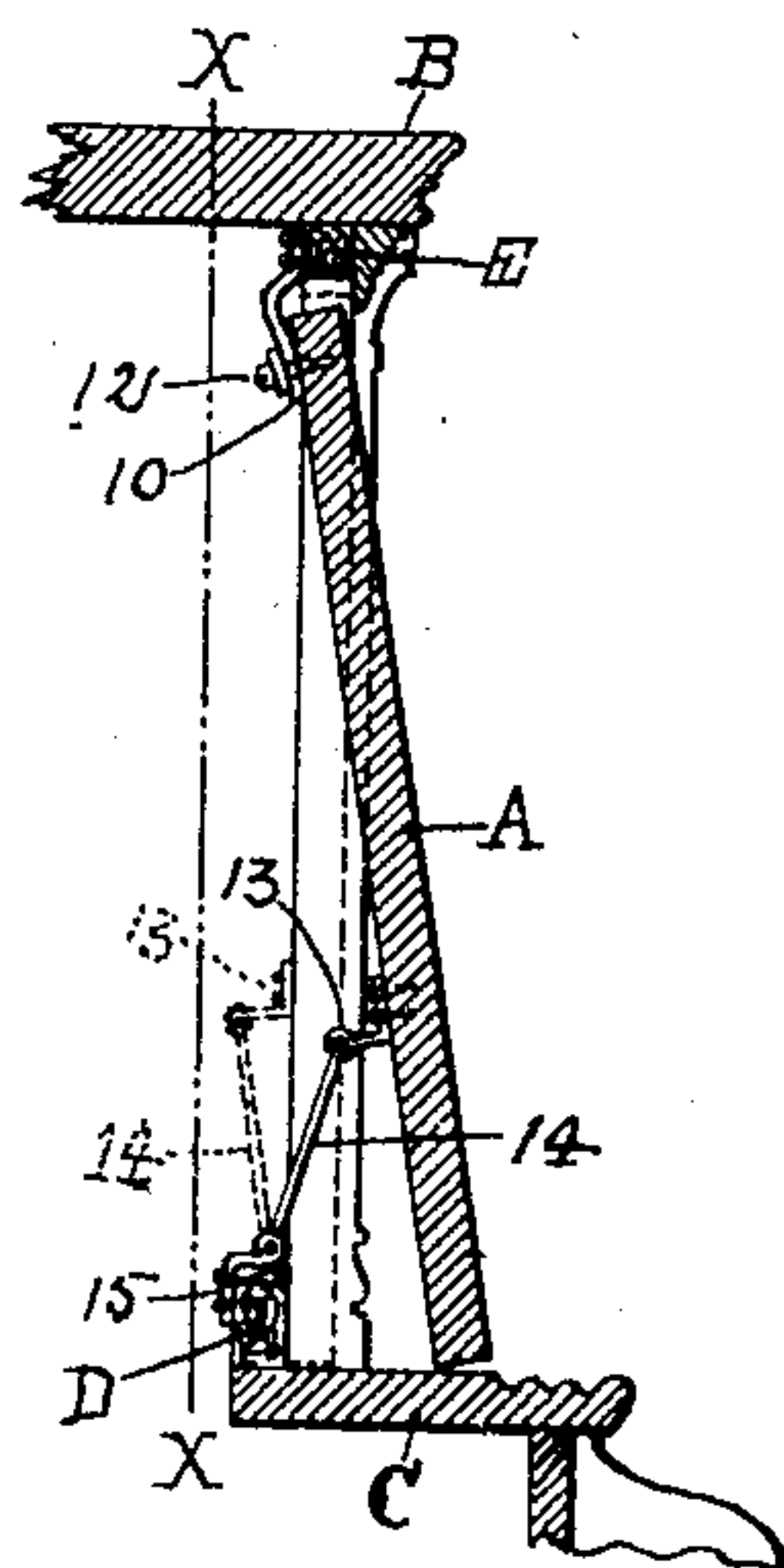


Fig. 3.

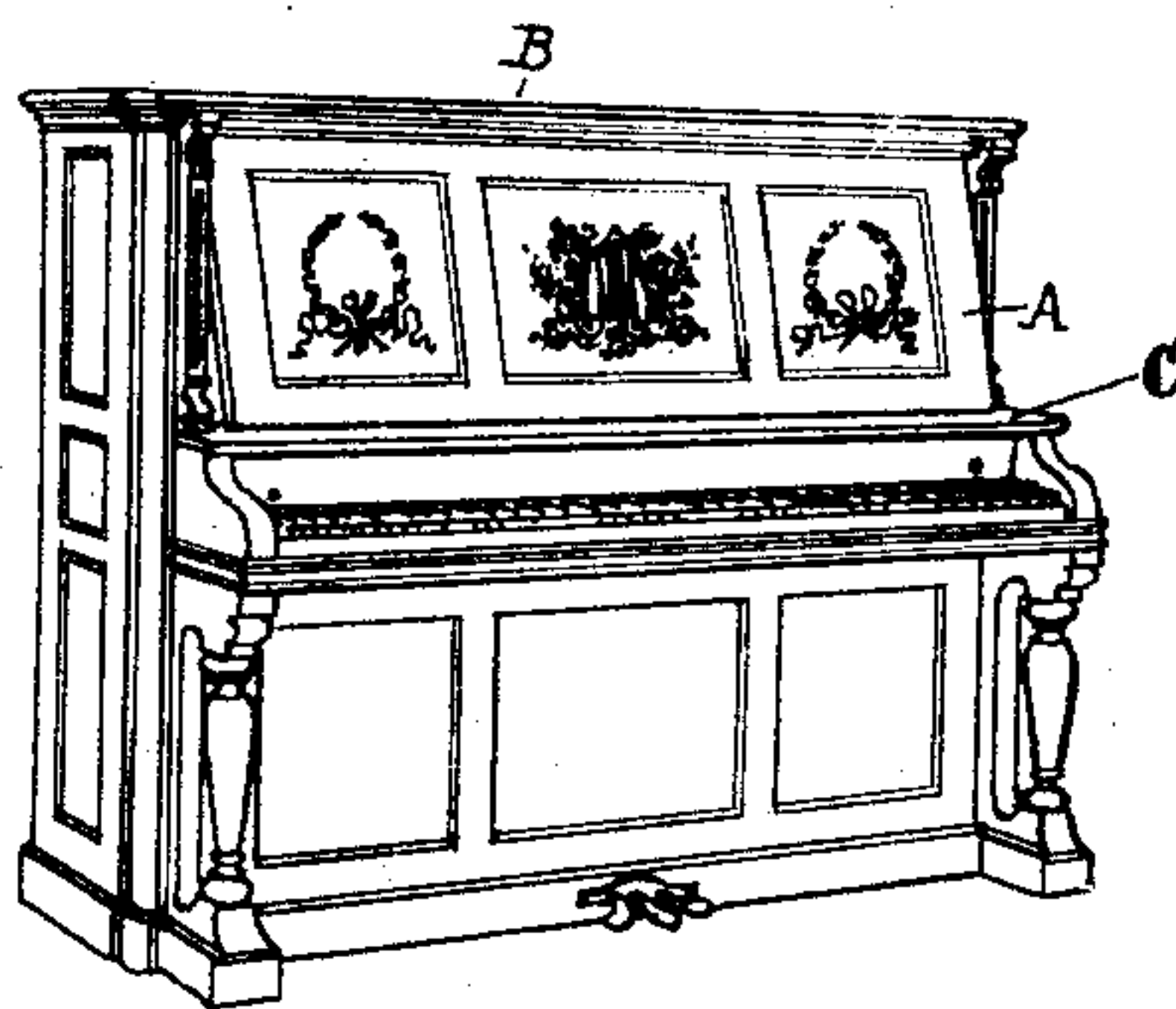


Fig. 4.

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# UNITED STATES PATENT OFFICE.

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## MECHANISM FOR ADJUSTING MUSIC-DESKS ON PIANOS.

**SPECIFICATION** forming part of Letters Patent No. 686,250, dated November 12, 1901.

Application filed April 6, 1901. Serial No. 54,706. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. BOSENBURY, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented new and useful Improvements in Mechanism for Adjusting Music-Desks on Pianos, of which the following is a specification.

The object of this invention is to provide a mechanism for retaining the music-desk of a piano in either a perpendicular position or at an angle, as desired, and so arranged that it can be easily and quickly changed from one position to the other.

Another object is to provide a new article of manufacture for swinging and adjusting music-desks of pianos which will add to the efficiency and appearance of pianos without materially increasing the cost thereof.

I attain these and other objects, which will appear from the mechanism and arrangement illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a rear view of a piano music-desk and portions of a piano, taken on the line X X of Figs. 2 and 3, showing my improvements in connection therewith. Fig. 2 is a cross-section of a music-desk and parts of a piano, showing the music-desk closed, taken on the line Y Y of Fig. 1 and showing a side view of my improvements. Fig. 3 is the same as Fig. 2, with the exception that the music-desk is shown at an angle or partly open. Fig. 4 is a perspective view of a piano, showing the music-desk held at an angle and equipped with my improvements.

Similar letters and figures of reference denote and refer to like parts throughout all the views. The figures refer to my improvements and the letters to the parts that are old.

To accomplish the foregoing objects and others not specifically mentioned, I provide the parts and the arrangements thereof as shown in the accompanying drawings, as follows:

A represents a music-desk such as is generally used on upright pianos.

B represents the top of a piano.

C represents a shelf or level plain extending across the piano above and in the rear of the keyboard and forming a base or rest for

the music, which may be in contact with the music-desk A.

D represents a strip rising from the rear of C and extending across the piano in the rear of A.

E represents a strip extending below the top B and of substantially the same length as D.

10 represents a plate, substantially of the form shown, secured by screws to the strip E.

11 represents a slot in the lower part of plate 10.

12 represents a screw passing through the slot 11 and entering the desk A for the purpose of loosely holding the desk A in contact with 10, said screw being adapted to slide up and down in the slot 11.

13 represents a plate provided with a lateral eye for the purpose of holding the center of the part 14, 13 being secured by screws to the desk A.

15 represents plates of similar form to 13, arranged in pairs to secure the ends of 14, 15 being secured by screws to the strip D.

The parts represented by 13 and 15 are substantially alike in every particular, 13 being secured on A with the eye downward and 15 being secured in pairs on D with the eyes upward, the eyes in the former securing the center of 14 and the eyes in the latter securing the ends of 14.

10, 11, 12, 13, 14, and 15 represent my improvements as applied to one end of the music-desk A. The opposite end of the music-desk is supplied with like parts in every particular and are shown by 10', 11', 12', 13', 14', and 15'.

It is apparent that the plate 10 and plate 10', with the screw 12 and screw 12', act as sliding hinges for upper edge of the desk A and that the weight of the desk A is supported and carried by the parts 14 and 14' when in the act of opening and closing and when arranged and secured as shown. It is also apparent that the arrangement as shown will act to hold the desk A closed, as in Fig. 2, or open, as in Fig. 3.

From the foregoing description, taken in connection with the drawings, the operation of my invention will be readily understood and its many advantages be fully appreciated.



ated, and I will simply state that the device by reason of its simplicity, attractiveness, and ease and efficiency of operation will prove a useful and practical improvement, as I have fully demonstrated to my entire satisfaction.

My improvements are perfectly adapted to accomplish the results for which they are intended; but it is evident that changes in and modifications of the construction herein shown and described may be made and that analogous parts may be used to accomplish the same results without departing from the spirit of my invention or sacrificing any of its many advantages.

Having shown and described the best construction of my improvements to me known at this time, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a piano, the combination with the upper portion thereof, of a plurality of downwardly-extending plates having their upper ends secured thereto, their intermediate portions bent rearwardly, and their lower portions bent forwardly and having vertical slots

in their free portions, a music-desk, fastenings on said desk which extend into and are movable in the slots and secure the desk to the plates, and arms connecting the lower portion of the desk to the shelf of the piano.

2. In a piano, the combination with the upper portion thereof, of a plurality of downwardly-extending plates having their upper ends secured thereto, their intermediate portions bent rearwardly, and their lower portions bent forwardly and having vertical slots in their free portions, a music-desk, fastenings on said desk which extend into and are movable in the slots and secure the desk to the plates, and a plurality of bails having the ends of their feet hinged to the shelf of the piano, and their apexes hinged to the lower portion of the music-desk.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM C. BOSENBURY.

Witnesses:

R. W. RANDLE.

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